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Use of carboxamide gemini surfactant(s) - in formulations for cleaning hard and soft surfaces, for body care compositions and in agrochemical and hydro-chemical applications

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19750246	A1	19990520	DE 1050246	A	19971113	199926 B

Priority Applications (No Type Date): DE 1050246 A 19971113

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19750246	A1	10	C11D-001/825		

Abstract (Basic): DE 19750246 A

NOVELTY - Carboxamide gemini surfactants are used in formulations for a variety of non-detergent applications.

DETAILED DESCRIPTION - Carboxamide gemini surfactants of formula: R1-[CO-NX-R2]z-NY-COR3 (I) are useful as components of formulations for: (1) cleaning hard and soft surfaces, (2) for cosmetic purposes, for body care or (3) for agrochemical or hydrochemical purposes.

(where: R1, R3 = 1-22C linear or branched, (un)saturated hydrocarbyl; R2 = a spacer, comprising an optionally branched 2-100 C chain, with 0-20 oxygen (O), 0-20 nitrogen (N), 0-4 sulfur (S) and 0-3 phosphorus (P) atoms, having 0-20 substituents, e.g. of OH, COOH, NH2 and/or acylamino, and containing 0-100 alkoxy groups; X, Y = (C2H4O)a(C3H6O)bH or (C2H4O)c(C3H6O)dQ;

a = 0-50; b = 0-60, provided that R2 is not C2H4 when b = 0; a+b = 1-100; c = 0-20; d = 0-20; c+d = 1-40; Q = CH2COOM, SO3M, P(O)(OM)2, C2H4SO3M or OC(O)C2H3(SO3M)COOM'; M and M' = alkali(ne earth) metal, ammonium or alkanol ammonium).

INDEPENDENT CLAIMS are also included for the following: Use of gemini surfactants (I) as:

- (i) components of textile or leather auxiliaries and disinfectants;
- (ii) dispersants in coating compositions and therapeutic compositions, and in emulsion or suspension polymerisation; and
- (iii) flotation aids for ore processing.

USE - Gemini surfactants can be used as textile or leather auxiliaries, in disinfectants or dispersants, for emulsion or suspension polymerisation or as flotation aids (claimed).

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Title Terms: CARBOXAMIDE; SURFACTANT; FORMULATION; CLEAN; HARD; SOFT; SURFACE; BODY; CARE; COMPOSITION; AGROCHEMICAL; HYDRO; CHEMICAL; APPLY  
Derwent Class: A25; A96; A97; B07; C07; D18; D21; D25; E19; F06; G02; J01; P41

International Patent Class (Main): C11D-001/825

International Patent Class (Additional): A61K-007/075; A61K-007/48;

A61K-007/50; B01F-017/22; B03D-001/006; C09D-007/02; C14C-011/00; D06M-013/419; D06M-015/53